



# Public Notice

**Applicant:**  
Anaren Microwave

**Date:**  
**Published:** Jan. 16, 2001  
**Expires:** Feb. 15, 2001

**U.S. Army Corps  
of Engineers**

**In Reply Refer To:**

**Buffalo District CELRB-CO-R RE: 2001-00009(1) Section: NY 404**

**Application for Permit under Authority of  
Section 404 of the Clean Water Act (33 U.S.C. 1344).**

Anaren Microwave, 6635 Kirkville Road, East Syracuse, New York 13057, has applied for a Department of the Army permit to fill 1.88 acres of wetland for the expansion of an existing office/manufacturing facility. The project is located adjacent to the existing Anaren building off of Kirkville and Fly Roads, in the Town of DeWitt, Onondaga County, New York.

Eight wetlands, two ponds and a ditch were delineated within the 17.9 acre site, for a total of 5.84 acres of waters of the U.S. This was confirmed by this office on November 7, 2000. Five of the wetlands and two excavated ponds are considered to be a part of State freshwater wetland SYE-13.

Anaren has proposed to impact wetlands A, B, C, D, and H, along with the eastern pond and ditch to accommodate expansion. Small portions of wetlands E and G as well as the western pond will also be impacted. A total of 1.11 acres of wetland and 0.77 acre of open water are proposed to be impacted. A pedestrian boardwalk trail is proposed to be constructed within wetlands E and G, but will not involve the placement of any fill, and, therefore, does not require a Department of the Army permit.

In order to mitigate for the proposed impacts, Anaren has proposed to create 1.86 acres of wetland to compensate for the impacts to 1.11 acres of wetland. Anaren has also proposed to create an additional 1.52 acres of open water to offset the filling of 0.77 acre of open water ponds and the stone-lined ditch. All mitigation is proposed to be located on-site.

The purpose of the expansion is to accommodate the anticipated growth over the next 10 years and to increase the manufacturing and office space at the DeWitt facility.

Location and details of the above described work are shown on the attached maps and drawings.

Questions pertaining to the work described in this notice should be directed to Margaret A. Crawford, who can be contacted by calling (315) 255-8090, or by e-mail at: [margaret.a.crawford@usace.army.mil](mailto:margaret.a.crawford@usace.army.mil)

The following authorization(s) may be required for this project:

Water Quality Certification (or waiver thereof) from the New York State Department of Environmental Conservation.

There are no registered historic properties or properties listed as being eligible for inclusion in the National Register of Historic Places that will be affected by this project.

In addition, available evidence indicates that the proposed work will not affect a species proposed or designated by the U.S. Department of the Interior as threatened or endangered, nor will it affect the critical habitat of any such species.

This notice is promulgated in accordance with Title 33, Code of Federal Regulations, parts 320-330. Any interested party desiring to comment on the work described herein may do so by submitting their comments, in writing, so that they are received no later than 4:30 pm on the expiration date of this notice.

Comments should be sent to the U. S. Army Corps of Engineers, 7413 County House Road, Auburn, New York 13021, and should be marked to the attention of Margaret A. Crawford, or by e-mail at: [margaret.a.crawford@usace.army.mil](mailto:margaret.a.crawford@usace.army.mil). A lack of response will be interpreted as meaning that there is no objection to the work as proposed.

Comments submitted in response to this notice will be fully considered during the public interest review for this permit application. All written comments will be made a part of the administrative record. Due to resource limitations, this office will normally not acknowledge the receipt of comments or respond to individual letters of comment.

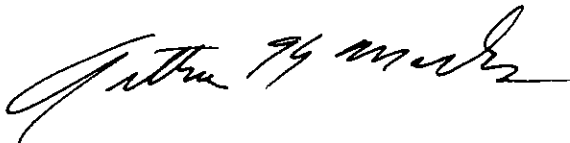
Any individual may request a public hearing by submitting their written request, stating the specific reasons for holding a hearing, in the same manner and time period as other comments.

Public hearings for the purposes of the Corps permit program will be held when the District Commander determines he can obtain additional information, not available in written comments, that will aid him in the decision making process for this application. A Corps hearing is not a source of information for the general public, nor a forum for the resolution of issues or conflicting points of view (witnesses are not sworn and cross examination is prohibited). Hearings will not be held to obtain information on issues unrelated to the work requiring a permit, such as property ownership, neighbor disputes, or the behavior or actions of the public or applicant on upland property not regulated by the Department of the Army. Information obtained from a public hearing is given no greater weight than that obtained from written comments. Therefore, you should not fail to make timely written comments because a hearing might be held.

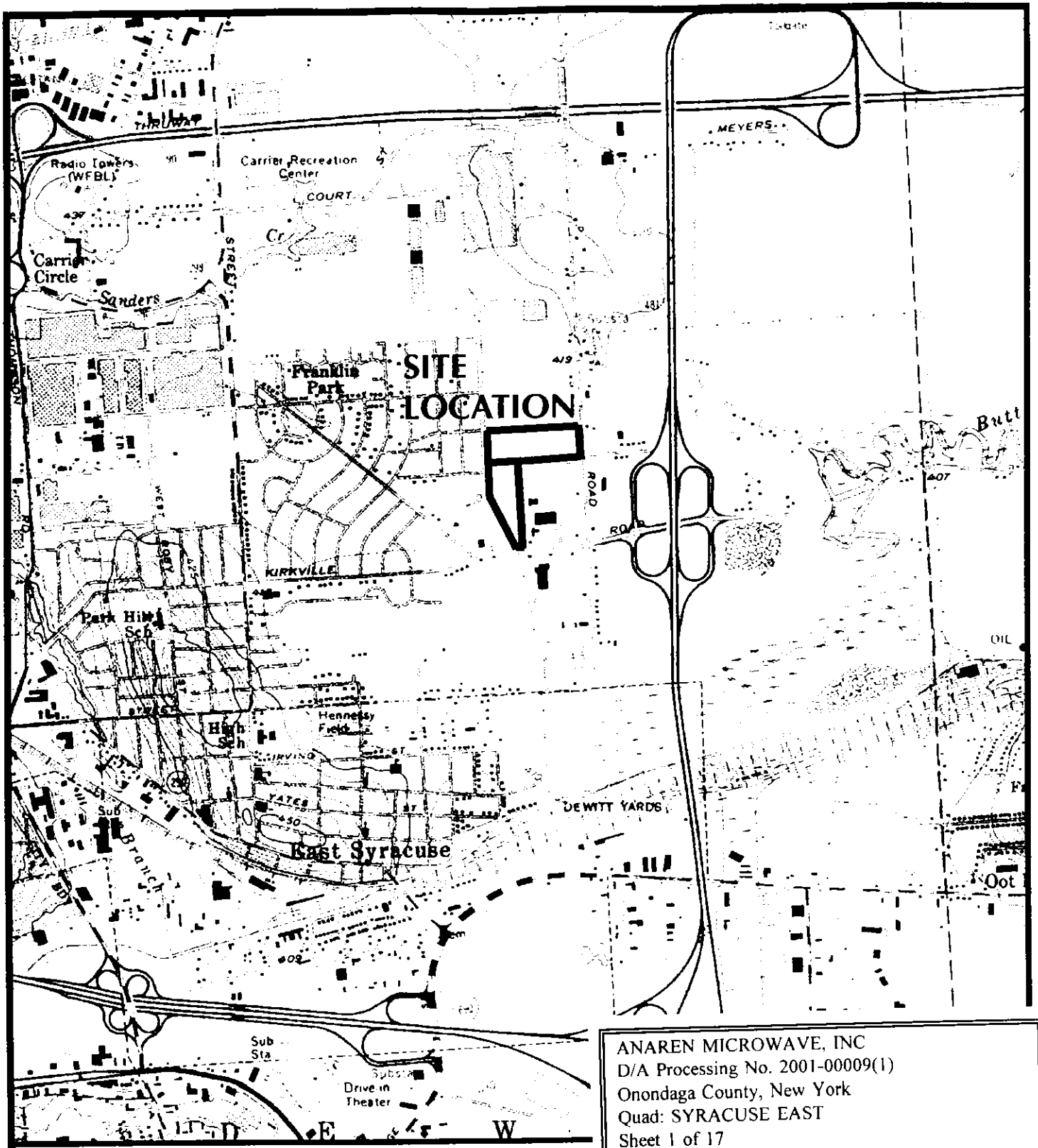
The decision to approve or deny this permit request will be based on an evaluation of the probable impact, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among these are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the

preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

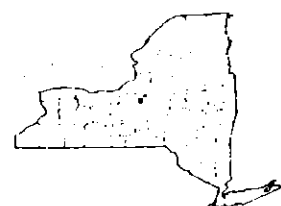
for   
Paul G. Leuchner  
Chief, Regulatory Branch

NOTICE TO POSTMASTER: It is requested that this notice be posted continuously and conspicuously for 30 days from the date of issuance.



COUNTOUR INTERVAL 5 FEET

Legend: \_\_\_\_\_ Site Boundary  
 Base Map: Syracuse East Quadrangle  
 Prepared by: Environmental Design & Research, P.C.



QUADRANGLE LOCATION



Figure 1. Site Location

**Table 1. Summary of Delineated Wetlands/Waters of the U.S.**

Wetland/Water	Size Acres	NWI Classification	Federal Jurisdictional <sup>1</sup>	State Jurisdictional <sup>2</sup>
Wetland A	0.01	PEM/SS1A	Yes	No
Wetland B	0.02	PEM/SS1A	Yes	Yes
Wetland C	0.23	PFO/SS1E	Yes	Yes
Wetland D	0.09	PFO/SS1A	Yes	Yes
Wetland E	1.16	PFO/SS/EM1F	Yes	Yes
Wetland F	0.45	PSS1A	Yes	No
Wetland G	2.81	PSS1E	Yes	Yes
Wetland H	0.11	PSS1A	Yes	No
Eastern Pond	0.58	POWHx	Yes	Yes
Western Pond	0.34	POWHx	Yes	Yes
Stone-Lined Ditch	0.04	PEM1/2A	Yes	No <sup>3</sup>
Total	5.84			

<sup>1</sup> Based on field review/jurisdictional determination by Corps representatives on October 17, 2000

<sup>2</sup> Based on NYS Freshwater Wetland mapping, and input from R. Nolan of the Region 7 office of the NYSDEC on October 17, 2000 and November 6, 2000

<sup>3</sup> Any changes in discharge from this ditch that result from project activities would be considered jurisdictional under Article 24 (as per telephone conversation with R. Nolan on November 6, 2000).

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Onondaga County, New York  
Quad: SYRACUSE EAST  
Sheet 2 of 17

**Table 2. Summary of Potential Impacts to Wetlands/Waters of the U.S.**

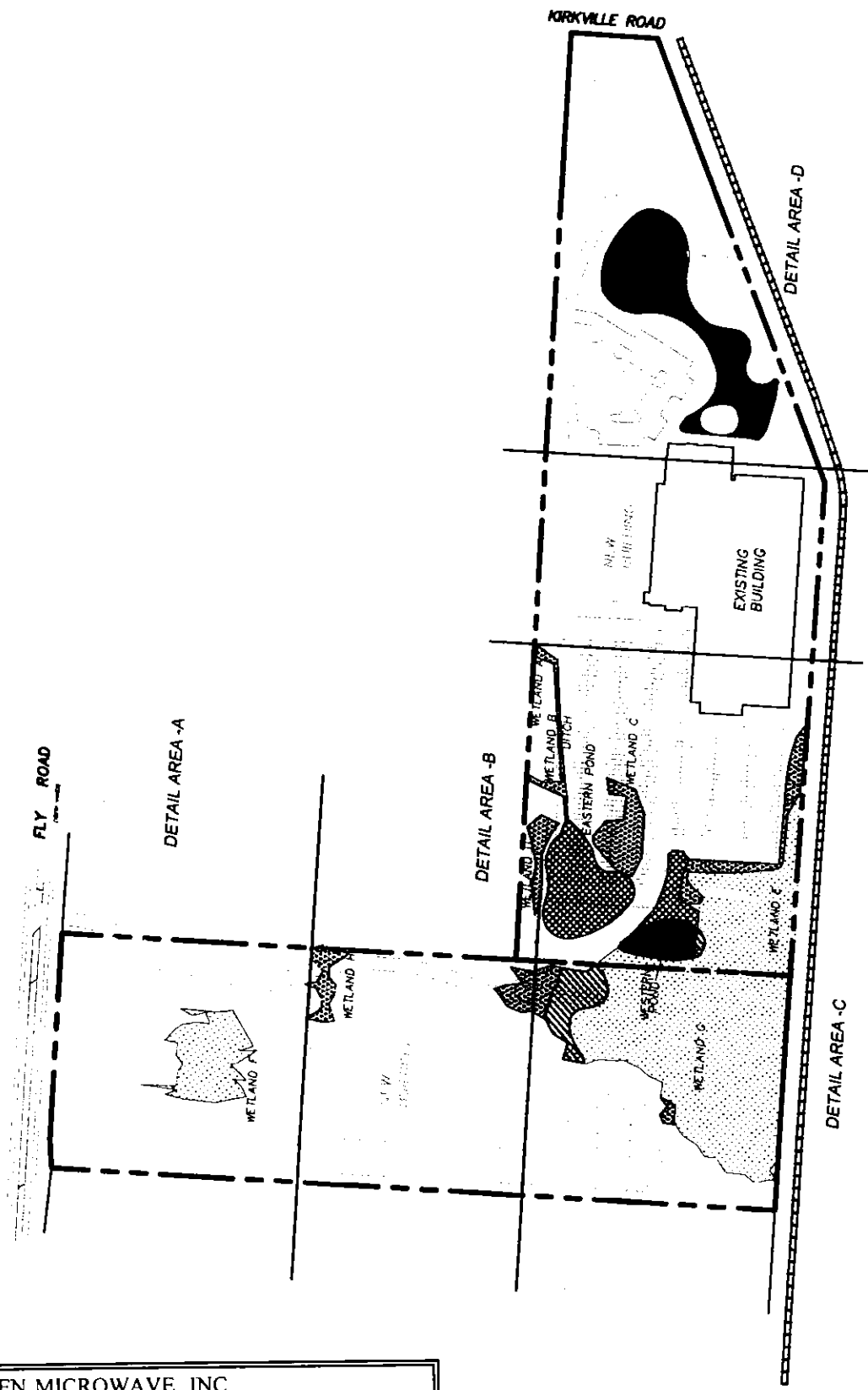
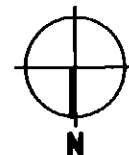
Wetland/Water	Existing Size	Proposed Plan (Fig. 3)	Alt. Plan 1 (Fig. 5)	Alt. Plan 2 (Fig. 6)	Alt. Plan 3 (Fig. 7)	Alt. Plan 4 (Fig. 8)	Alt. Plan 5 (Fig. 9)
Wetland A	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Wetland B	0.02	0.02	0	0.01	0.02	0.02	0.02
Wetland C	0.23	0.23	0	0.23	0	0.23	0.19
Wetland D	0.09	0.09	0	0.03	0.09	0.09	0.09
Wetland E	1.16	0.23	0.91	0.91	0.23	0.42	0.23
Wetland F	0.45	0	0.45	0.39	0.02	0	0.04
Wetland G	2.81	0.42	2.56	2.62	1.06	0.25	0.81
Wetland H	0.11	0.11	0.11	0.05	0.11	0.001	0.11
<b>Wetland Total</b>	<b>4.88</b>	<b>1.11</b>	<b>4.04</b>	<b>4.25</b>	<b>1.54</b>	<b>1.02</b> <sup>1</sup>	<b>1.5</b>
Eastern Pond	0.58	0.58	0	0.58	0.46	0.58	0
Western Pond	0.34	0.15	0.34	0.34	0.29	0.34	0.34
Stone-Lined Ditch	0.04	0.04	0.04	0.04	0.04	0.04	0.04
<b>Ponds and Ditch Total</b>	<b>0.96</b>	<b>0.77</b>	<b>0.38</b>	<b>0.96</b>	<b>0.79</b>	<b>0.96</b>	<b>0.38</b>
<b>Overall Total</b>	<b>5.84</b>	<b>1.88</b>	<b>4.42</b>	<b>5.21</b>	<b>2.33</b>	<b>1.98</b>	<b>1.88</b>

<sup>1</sup> Plan was not developed at a level of detail that included required stormwater ponds. Such ponds would increase wetland impacts.

# Figure 4- Sheet 1

## Impacted Wetlands/Waters

Scale 1" = 300'



Existing Wetland



Wetland Filled



Excavated Wetland



Existing Pond To Remain



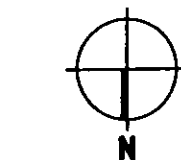
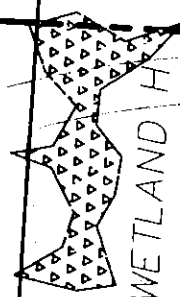
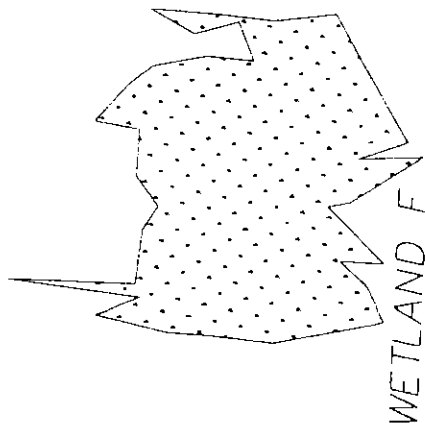
Pond Filled

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Onondaga County, New York  
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Sheet 4 of 17

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Onondaga County, New York  
Quad: SYRACUSE EAST  
Sheet 5 of 17

FLY ROAD  
(WIDTH VARIES)

DETAIL AREA -A



Existing  
Wetland



Wetland  
Filled



Excavated  
Wetland



Existing Pond  
To Remain



Pond  
Filled

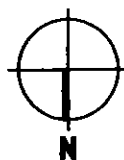
**Figure 4- Sheet 2 (Detail Area-A)**  
**Impacted Wetlands/Waters**  
Scale: 1"=100'

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Sheet 6 of 17

**DETAIL AREA -B**

**Figure 4- Sheet 3 (Detail Area-B)**  
**Impacted Wetlands/Waters**  
**Scale: 1"=100'**

**Scale: 1"=100'**



**World  
Bulge**



**Filled**  
**Wetland**



### Existing Pond To Remain



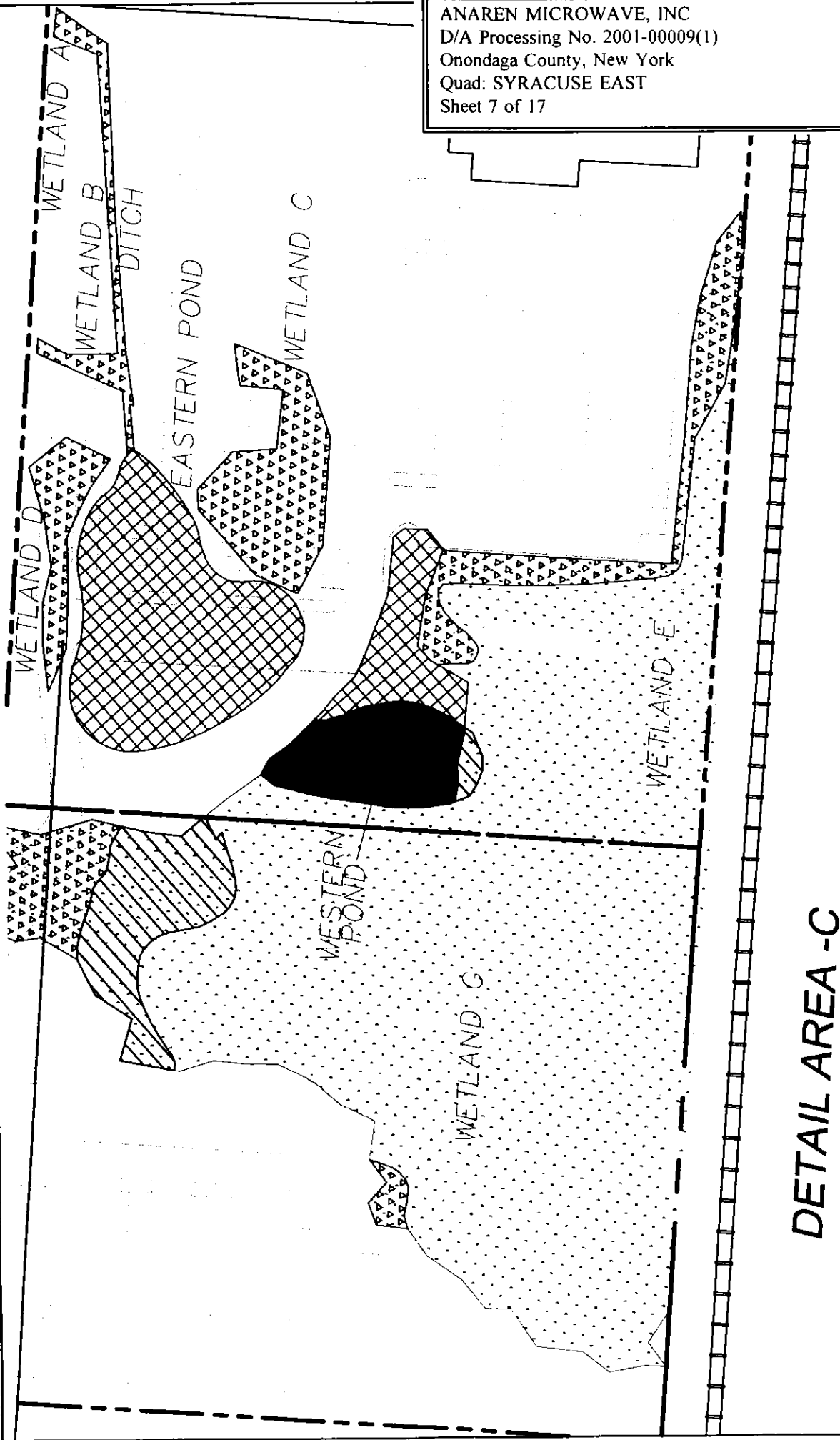
## Excavated Wetland



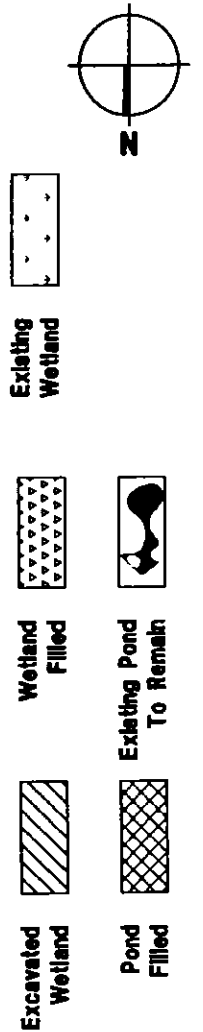
**Pond Filled**



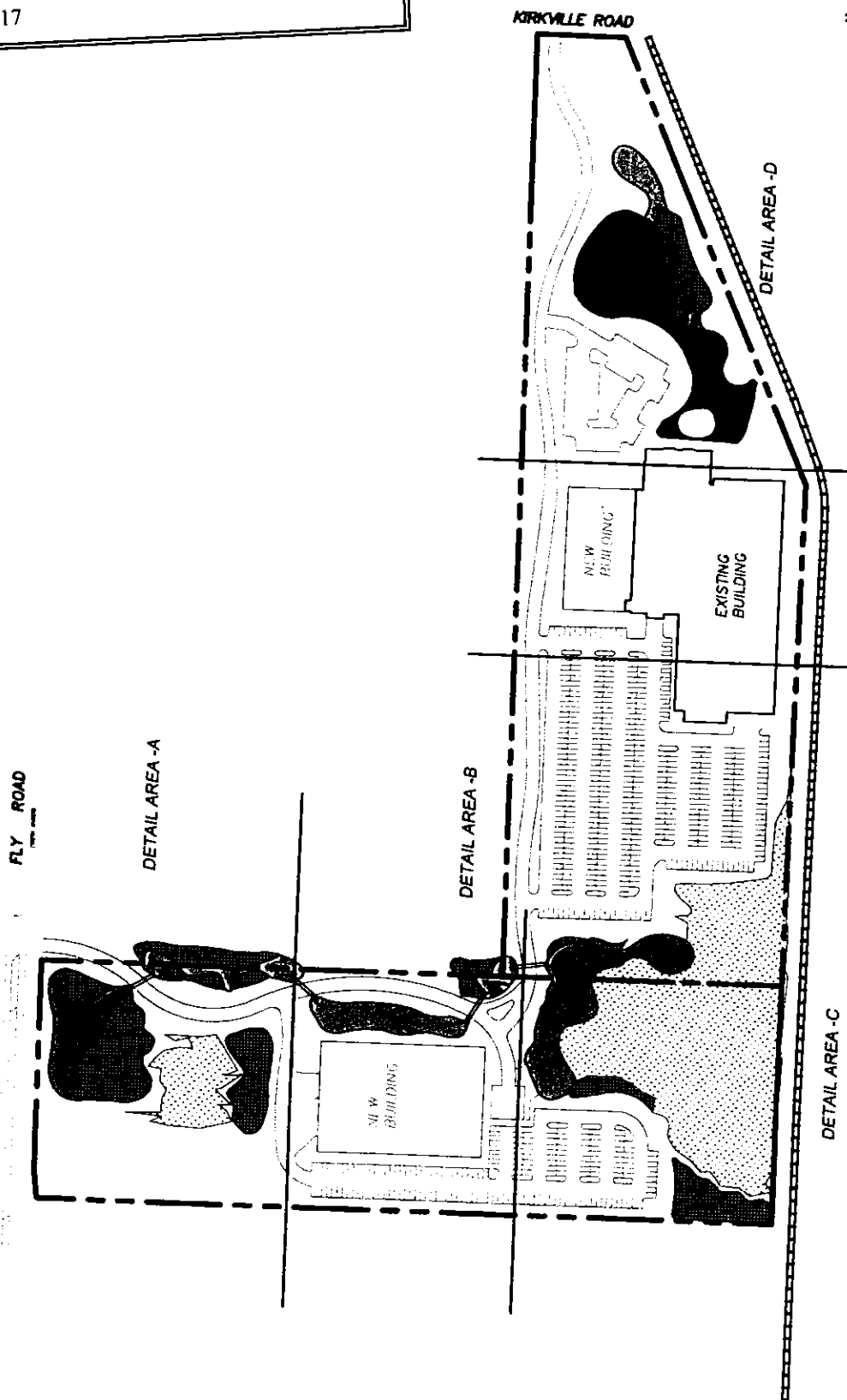
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 Onondaga County, New York  
 Quad: SYRACUSE EAST  
 Sheet 7 of 17



**Figure 4- Sheet 4 (Detail Area-C)**  
**Impacted Wetlands/Ponds**  
 Scale: 1"=100'

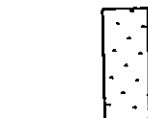
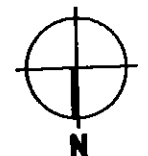


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Quad: SYRACUSE EAST  
Sheet 8 of 17



Note: See cross sections in Figure 13

**Figure 10- Sheet 1**  
**Wetland & Pond Mitigation Areas**  
Scale: 1"=300'



Existing  
Wetland



Culvert



Existing  
Pond



Existing  
Pond

FLY ROAD  
(WIDTH VARIES)

DETAIL AREA -A

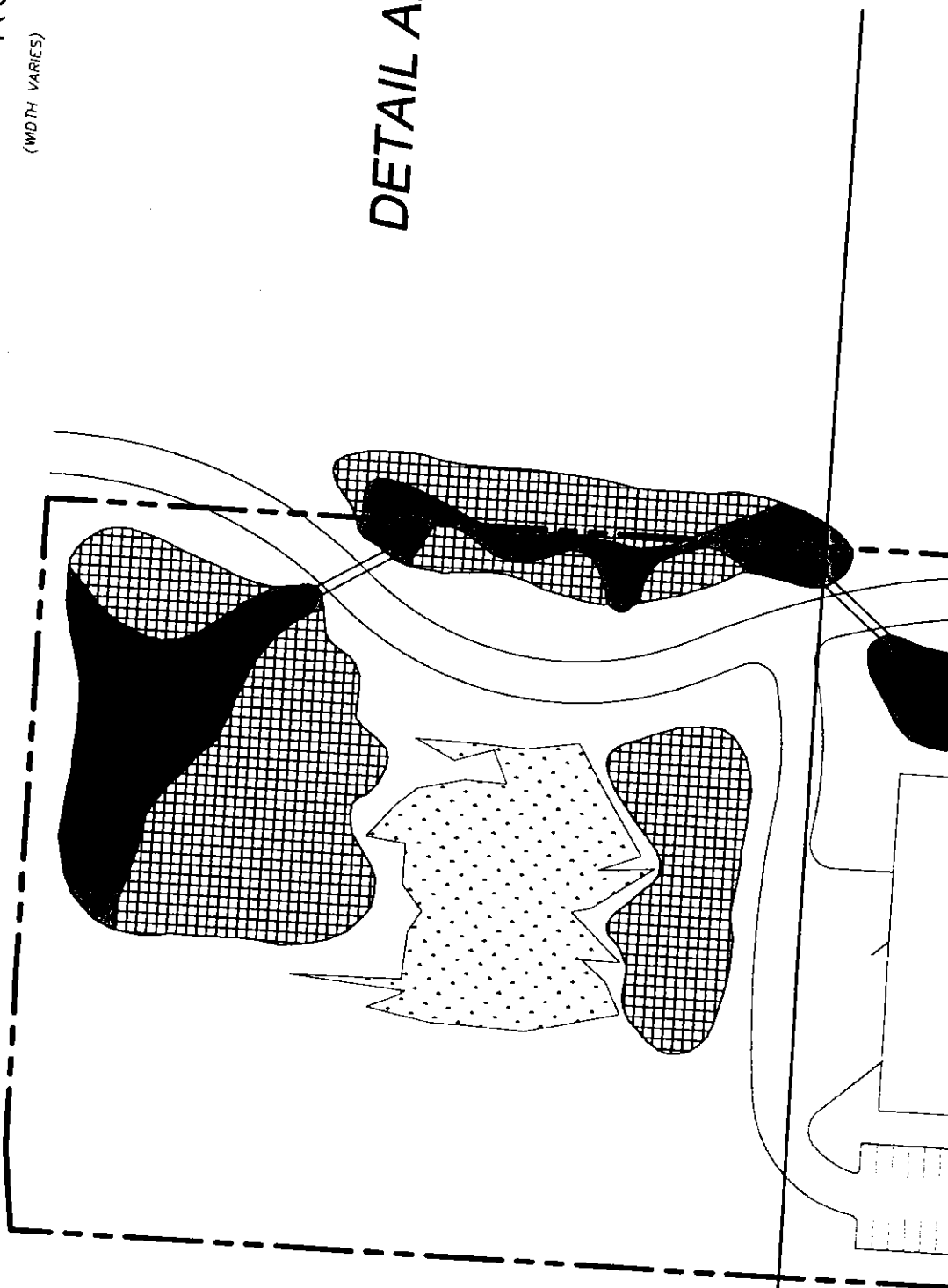
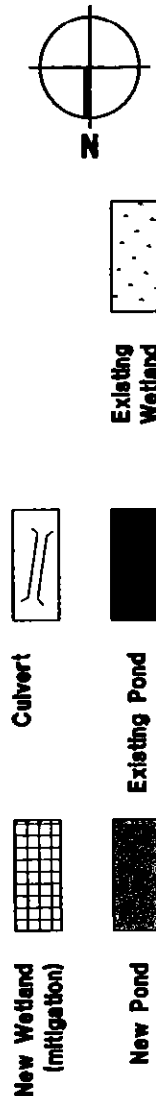
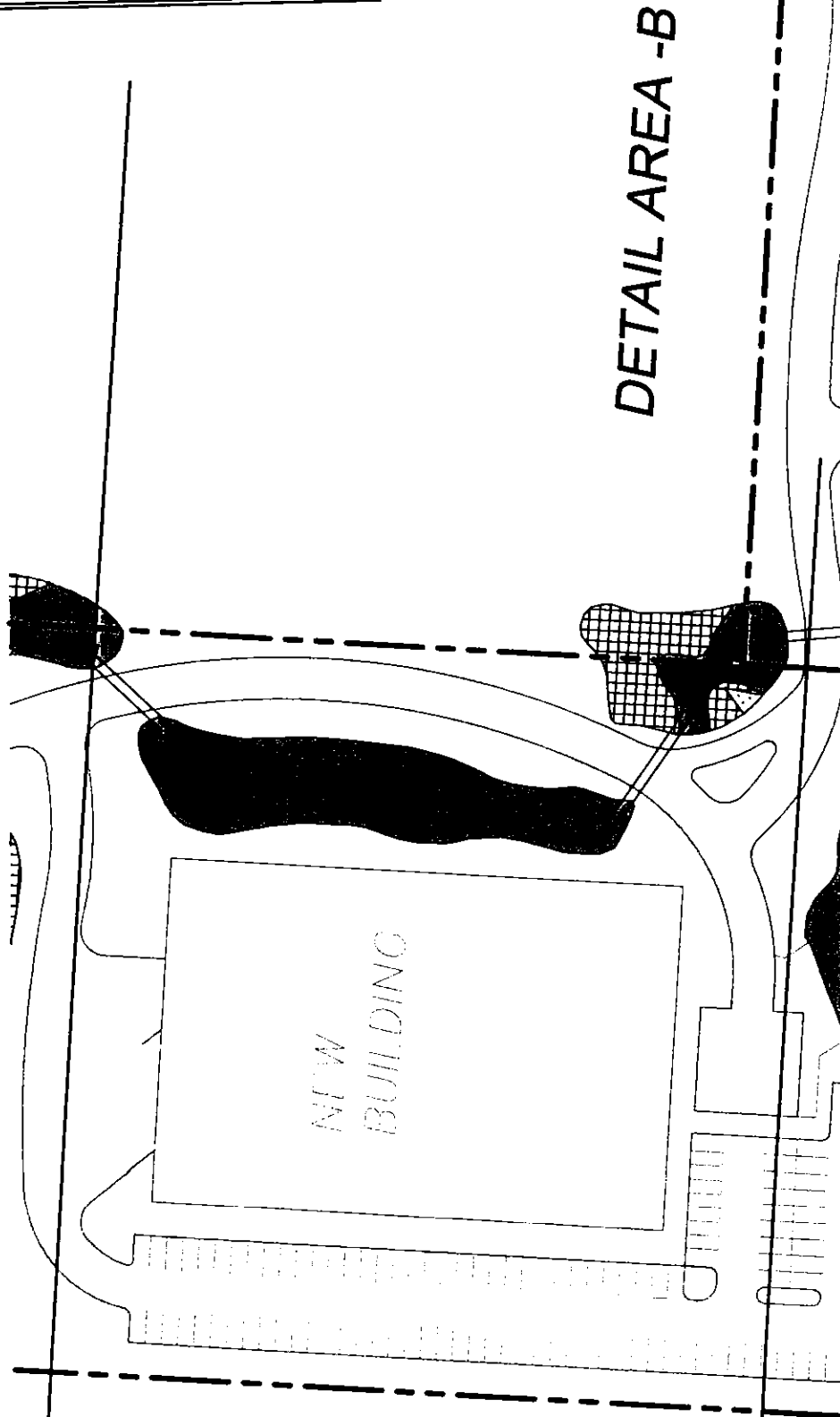


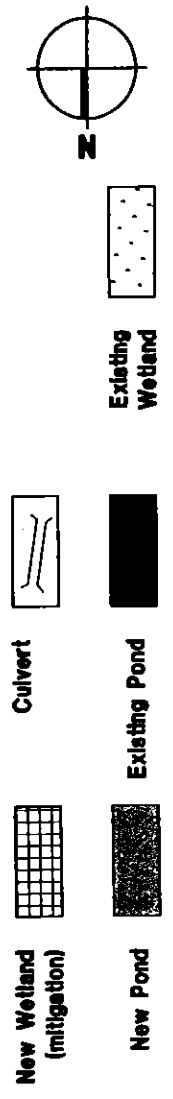
Figure 10- Sheet 2 (Detail Area-A)  
Wetland & Pond Mitigation Areas  
Scale: 1"=100'



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D/A Processing No. 2001-00009(1)  
Onondaga County, New York  
Quad: SYRACUSE EAST  
Sheet 10 of 17



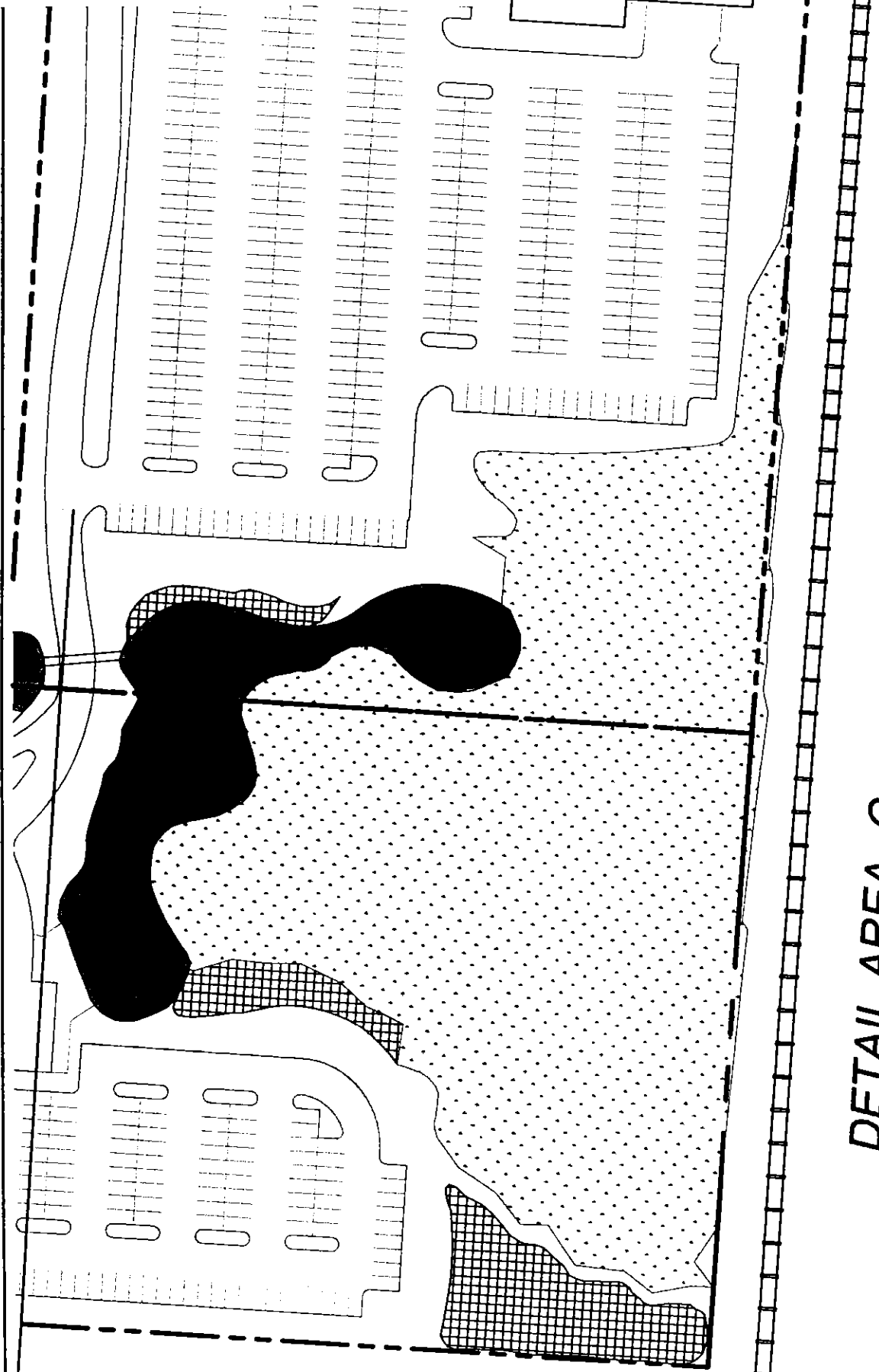
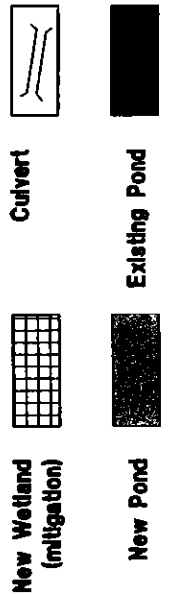
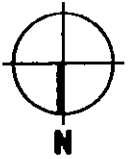
**Figure 10- Sheet 3 (Detail Area-B)**  
**Wetland & Pond Mitigation Areas**  
Scale: 1"=100'



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D/A Processing No. 2001-00009(1)  
Onondaga County, New York  
Quad: SYRACUSE EAST  
Sheet 11 of 17

DETAIL AREA -C

Figure 10- Sheet 4 (Detail Area-C)  
Wetland & Pond Mitigation Areas  
Scale: 1"=100'

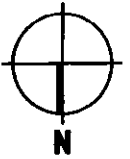


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D/A Processing No. 2001-00009(1)  
Onondaga County, New York  
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Sheet 12 of 17

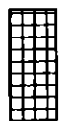
KIRKVILLE ROAD

DETAIL AREA -D

**Figure 10- Sheet 5 (Detail Area-D)**  
**Wetland & Pond Mitigation Areas**  
Scale: 1"=100'



Culvert



New Wetland  
(mitigation)



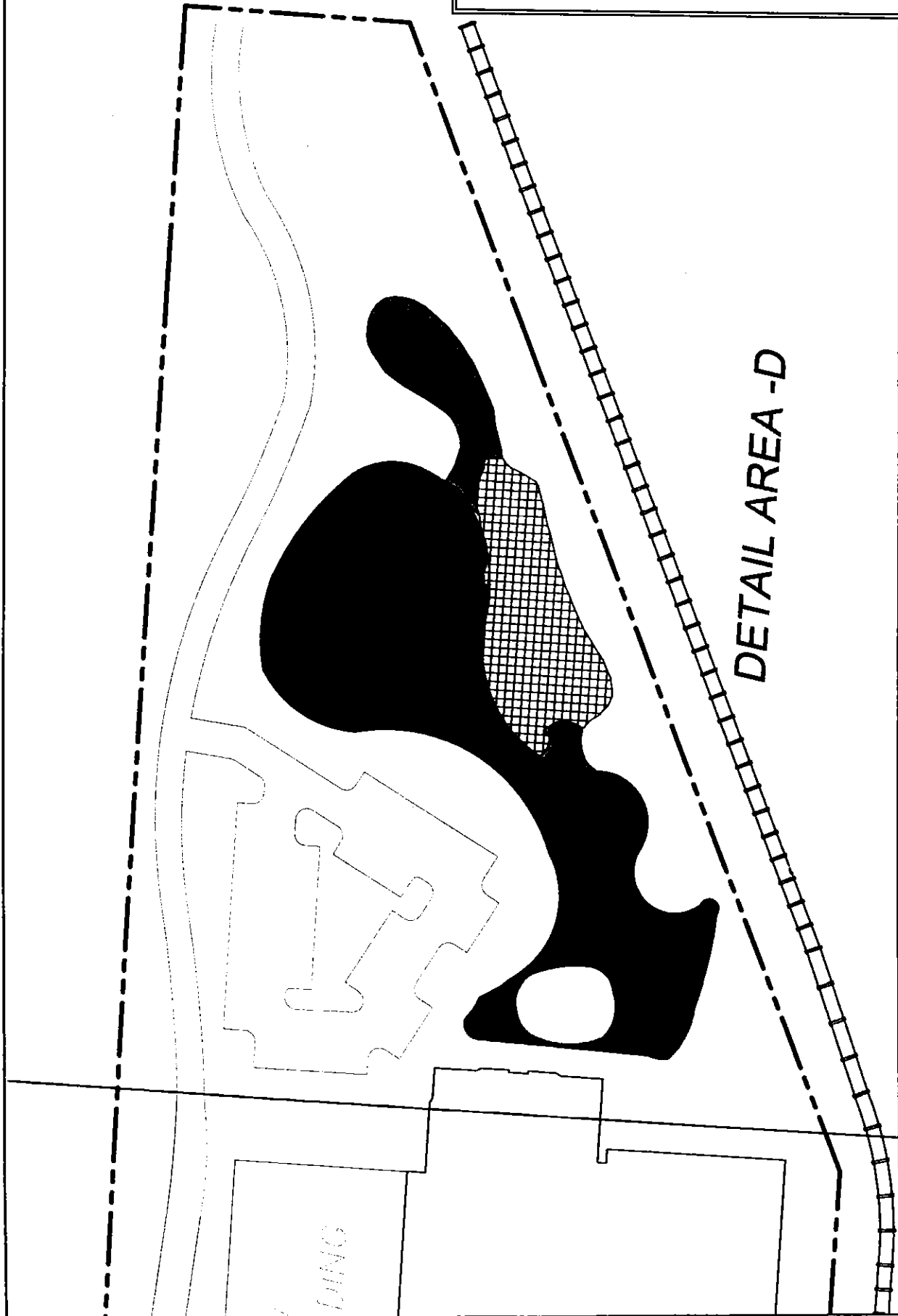
Existing  
Wetland



Existing Pond



New Pond



## WETLAND MITIGATION

As stated in the permit narrative, proposed wetland mitigation on the Anaren site involves the replacement of impacted wetlands at a ratio of approximately 1.5 to 1 and replacement of filled ponds at a 2 to 1 ratio. The ponds are designed to be open water features that function primarily as stormwater management and aesthetic elements on site (similar to the ponds that currently exist on site). Therefore, this discussion will focus on only the areas proposed as wetland mitigation.

A total of 1.86 acres of wetland mitigation are proposed. These areas are dispersed across the site, typically adjacent to existing or proposed ponds and wetlands. The locations of individual mitigation areas are shown in Figure 10, while proposed grading and planting plans for these areas are illustrated in Figures 11-13. To supplement these figures, an area-by-area description of the proposed mitigation areas is provided below.

### 1. Mitigation Areas Associated with Existing Wetland F

Approximately 0.73 acres of mitigation wetland will be developed adjacent to the east and west sides of existing Wetland F on the east side of the site. These wetlands will be hydrologically connected with Wetland F during high water conditions, with flow going from west to east and outletting to an excavated pond near Fly Road. Mitigation wetlands will be created through shallow excavation of the adjacent uplands (generally 8-12 inches) and planting, primarily with wetland shrubs. The mitigation areas, along with temporarily disturbed areas between the existing and proposed wetlands, will be seeded with a wetland seed mix. Adjacent uplands will be seeded with a wildlife seed mix and maintained as an unmowed upland (non-jurisdictional) buffer around the proposed mitigation areas and the existing wetland (see planting schedule in Appendix E for seed mix and proposed plantings).

### 2. Mitigation Areas Along the Proposed Access Road

A series of interconnected ponds are proposed to run in an east-west direction along the proposed access road from Fly Road to the proposed Phase 4 building. Five areas of mitigation wetlands (totaling 0.45 acre) are proposed along the periphery of these ponds. Based on input from the Corps at a December 6, 2000 pre-application meeting, no mitigation wetlands are proposed in association with the one pond located between the proposed road and the Phase 4 building. Elsewhere in the area, mitigation wetlands generally consist of shrub plantings, with selected areas of emergent herbaceous vegetation along the edge of the open water ponds. Small areas of ornamental wetland plantings, featuring flowering species such as iris and marsh marigold, are also proposed, as shown on the planting plan (Figure 12). Areas of seeded wet meadow are proposed along the outside edge of some of the mitigation wetlands in this area, and an unmowed upland buffer is typically proposed between the pedestrian path and the pond/wetland edges.

3. Mitigation Wetlands Associated with Wetland G

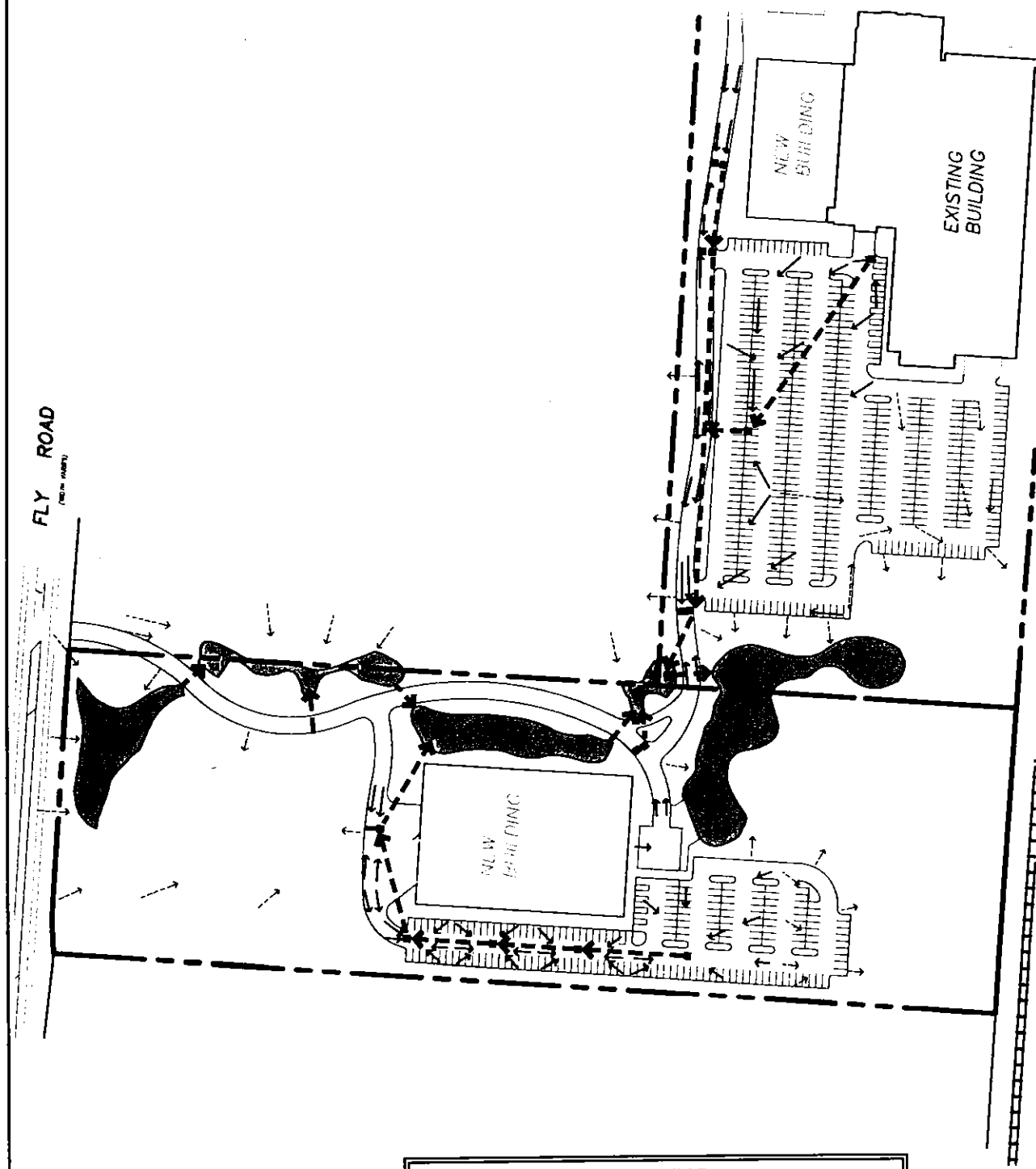
Wetland mitigation is proposed adjacent to the northwest corner of Wetland G and between the edge of this wetland and the proposed parking areas and access road. The area in the northwest corner (0.26 acre) is proposed as a shrub wetland similar to the mitigation areas adjacent to Wetland F. The edge areas (0.14 acre) are proposed as a combination of shrub plantings, emergent herbaceous vegetation (including pockets of ornamental plantings), and wet meadow. These areas will be created by shallow excavation of the existing uplands (8-12 inches) and planting and/or seeding the resulting shallow water/saturated soil areas. An unmowed buffer of upland vegetation is generally proposed between pavement areas and the mitigation areas adjacent to Wetland G.

Creation of open water in this area and the possible conversion of areas of existing saplings to shrubs and herbaceous vegetation along the edge of the open water is not proposed as mitigation, since it is occurring primarily within an existing wetland. However, the resulting increase in wetland cover type diversity will improve the wildlife habitat value and aesthetic interest of the existing wetland.

4. Mitigation Area Adjacent to Existing Entrance Pond

To provide additional mitigation acreage, 0.28 acre of existing lawn on the west side of the pond in front of the existing building on-site will be converted to wetland shrub and emergent marsh vegetation. Ground elevation in this area will be brought down 8-12 inches to allow inundation and soil saturation by the adjacent pond. The periphery of this area will be planted with a wetland seed mix to create wet meadow, and areas of unmowed upland vegetation are proposed as buffers. An attempt will be made to save existing trees in this area.

ANAREN MICROWAVE, INC D/A Processing No. 2001-00009(1) Onondaga County, New York Quad: SYRACUSE EAST Sheet 14 of 17
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ANAREN MICROWAVE, INC  
 D/A Processing No. 2001-00009(1)  
 Onondaga County, New York  
 Quad: SYRACUSE EAST  
 Sheet 15 of 17

**Figure 14- Sheet 1**  
**Stormwater Management**  
 Not To Scale

- |                                   |                     |      |
|-----------------------------------|---------------------|------|
| Surface Drainage to Pipe System   | Underground Culvert | Pond |
| Surface Drainage to Porous System | Catch Basin         |      |

## STORMWATER MANAGEMENT

During project construction, erosion and sedimentation impacts to wetlands and ponds will be limited through implementation of an erosion and sediment control plan. This plan will be a required part of the SPDES general permit issued by the NYSDEC for the project. It is anticipated that this plan may require temporary and permanent stabilization of disturbed soils adjacent to wetlands and ponds, use of silt fence and hay bales to control the entry of silt-laden runoff to on-site water bodies, and the utilization of temporary sediment retention basins to maintain water quality. A preliminary erosion control plan is included on the site grading plan (Figure 11). Off-site water quality will not be affected, as the wetlands and ponds are isolated and not physically connected with any adjacent lakes, ponds, streams or wetlands.

The proposed stormwater management system for the completed project is graphically illustrated in Figure 14. This system has been designed to provide adequate on-site detention for a 100 year storm event, in accordance with Town of DeWitt requirements. A TR-55 analysis was performed to determine runoff volumes before and after project construction, and to assure that there was no net increase in off-site runoff. Based on this analysis it was determined that approximately 40,000 cubic feet of on-site storage was required.

The stormwater management system proposed will utilize catch basins to collect stormwater runoff from roads and parking lots. These basins will discharge water, via underground pipes (12-24 inch diameter), to a series of open water ponds to be excavated on site. These ponds will be connected by surface swales and culverts, and will ultimately discharge to the large wetland area (Wetlands E and G) in the northwest corner of the site. Based on input from the Corps of Engineers at a pre-application meeting on December 6, 2000, all of the culvert outlets have been re-examined and several have been relocated to discharge to the most upstream pond possible (based on catch basin location and site topography). This will provide adequate opportunity for the removal of suspended sediment prior to discharge to Wetland E/G. Culverts will in all instances outlet to excavated ponds rather than directly to wetlands. This will assure that any future maintenance of the stormwater system (e.g. removal of accumulated sediment) will be restricted to the ponds. There will therefore be no impacts to existing or created wetlands as a result of future system maintenance.

Because the proposed roads and parking lots will be curbed, direct overland run-off of stormwater to the wetlands and ponds will generally occur only in relatively small areas between the pavement edges and the waterbodies. Whenever possible, an unmowed buffer of vegetation (20-30 feet wide) will be maintained around the wetland edges (typically between the proposed foot path and the wetland). This buffer will help to slow and clean overland runoff before it enters the wetlands. In two locations, parking lot runoff will be discharged through a break in the curbing to on-site wetlands. In these locations, naturally vegetated, unmowed areas at least 50 feet wide will be maintained to slow and clean stormwater prior to entering the wetlands.

No physical separation of the proposed stormwater ponds and adjacent wetlands is proposed due to the limited space available on site and because there is no other reliable source of water to maintain the wetland mitigation areas. Hydrology in both the existing

and proposed wetlands is entirely dependent on direct participation, shallow groundwater, and stormwater runoff from adjacent uplands. The system proposed is similar to that which exists and functions well on the currently developed portion of the Anaren site. The high degree of integration of wetlands and open water in the proposed system is designed to replicate the higher quality wetland conditions that currently exist in the Wetland E/western pond area of the site.

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Quad: SYRACUSE EAST  
Sheet 17 of 17